Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/09/2017 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123707	-2	1.80	123540	1.74
Blue	F	SSC	125000	122501	-2	3.35	122838	3.11
Blue	E	FITC	23615	22761	-4	2.85	1015	10.52
Blue	D	PE	26739	26176	-3	2.53	940	10.30
Blue	B	PerCP-Cy5-5	48339	47235	-3	3.68	1352	17.40
Blue	A	PE-Cy7	45021	43605	-4	5.47	673	36.11
Red	C	APC	53064	51611	-3	2.75	2964	9.57
Red	A	APC-Cy7	57175	55986	-3	2.75	1168	11.25
Violet	B	V450	14728	14043	-5	5.61	674	9.63
Violet	A	V500	58621	57062	-3	5.50	2531	7.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19000	3.14	610	-4	N/A	N/A	Pass
Blue	F	SSC	60284	2.07	546	0	N/A	N/A	Pass
Blue	E	FITC	113	40.12	548	0	0.0201	181	Pass
Blue	D	PE	205	30.81	538	2	0.1518	271	Pass
Blue	B	PerCP-Cy5-5	210	45.98	635	0	0.0095	80	Pass
Blue	A	PE-Cy7	72	123.55	692	-1	0.0115	17	Pass
Red	C	APC	346	27.46	596	-1	0.0197	27	Pass
Red	A	APC-Cy7	127	40.81	579	-1	0.0055	1609	Pass
Violet	B	V450	81	43.04	467	-3	0.0526	2333	Pass
Violet	A	V500	184	22.59	495	-2	0.0136	170	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.09	-31.39	0.88
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.22	13.27 - 19.91	N/A	N/A	31.18	31.86	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9684

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments